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भारत का राजपत्र
The Gazette of India

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No. 46] NEW DELHI, SATURDAY, NOVEMBER 14, 1992 (KARTIKA 23, 1914)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 14th November 1992

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The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

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"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

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All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 14 नवम्बर 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोवर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नागर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पांडिचेरी, लक्षद्वीप मिनिकाय तथा अमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रण को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

GOVERNMENT OF INDIA

THE PATENT OFFICE

Calcutta, the 14th November 1992

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dated shown in the crescent branch are the dates claimed under section 135, of the patents Act, 1970.

30th September 1992

711/Cal/92. Hollandse Signalapparaten B.V. Apparatus for the observation and identification of helicopters.

712/Cal/92. The Hoover Company. Vacuum Cleaner Remote Switch Actuator.

1st October 1992

713/Cal/92. Surajit Pal. A Multiple-Acoustic Mass-Loaded Loudspeaker System of Improved Low Frequency Response.

714/Cal/92. Phillips Petroleum Company. Process for Preparing a Pillared Phyllosilicate Clay.

715/Cal/92. Phillips Petroleum Company. Process for Preparing a pillared chain Silicate Clay.

716/Cal/92. Flamagas, S.A. Pocket Lighter having a safety mechanism.

717/Cal/92. Rolf Volkle, Reclining Chair.

7th October 1992

718/Cal/92. Sumitomo Chemical Company, Limited. Monoazo Compounds and method for dyeing or printing fiber materials using the same.

719/Cal/92. Merck Patent Gesellschaft mit beschrankter Haftung. Preparations.

720/Cal/92. Richter Gedeon Vegyeszeti Gyar RT. Novel Pyrimido (1', 6': 1,2) Pyrido (3, 4-b) indole derivatives. Pharmaceutical compositions containing them and a process for preparing same.

721/Cal/92. Citibank, N.A. Electronic-Monetary System.

722/Cal/92. Hanna Technology Limited. Apparatus and process for colouring textile articles.

8th October 1992

723/Cal/92. ECP Enichem Polimeri S.r.l. Catalysts for the polymerization of Olefins.

724/Cal/92. Rosma Beschichtungsmassen GmbH Moldable film for fastening to a base and shield from radiation or for insulation of electrically conducting parts.

725/Cal/92. Ludovicus Marien. Method and device for mounting a precious stone during the tooling.

726/Cal/92. Magnetospheric power corporation, Ltd. Electromagnetic Motor.

727/Cal/92. Suonas Dandapat of Marmbazar (Goa). Automatic Safety apparatus (For use with L.P. Gas oven).

9th October 1992

728/Cal/92. Max Reinhard. A method and means of Determining the health condition of a living creature.

729/Cal/92. J & C Engineering B.V. A Combustor apparatus.

12th October 1992

730/Cal/92. The Babcock & Wilcox Company. A gas element for a burner. (Divided out of no. 215/Cal/89; antedated to 16-03-1989).

731/Cal/92. The babcock & Wilcox Co. Burner for the cumbustion of coal or gas. (Divided out of no. 215/Cal/89 antedated to 16-03-1989).

732/Cal/92. The babcock & Wilcox Company. A flame stabilizing ring for a burner. (Divided out of no. 215/Cal/89 antedated to 16-03-1989).

733/Cal/92. Beloit Technologies, Inc. A Headbox apparatus.

734/Cal/92. Beloit Technologies, Inc. Bagasse Depither.

735/Cal/92. Philpis Petrolcum Company. Etherification Process.

736/Cal/92. Copeland Corporation. Refrigerant Compressor Discharge Muffler.

737/Cal/92. Alkaloida Vegyeszeti Gyar Rt. New Non- Hygroscopic Mono-Ammonium Salts.

738/Cal/92. ABB Air Preheater, Inc. Temperature Control System for a heat detector as a heat exchanger.

739/Cal/92. Hitachi, Ltd. Centrigugal Compressor.

740/Cal/92. The Mead Corporation. Panel Interlocking mean.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, IIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13

10-8-1992

244/BOM/1992. Tukaram Mugutrao Karne. A quick mill bypass system and the mill bypass overflow chute for isolating any mill in the sugarcane grinding mill tandem to be used in the sugar industry.

245/BOM/1992. Tukaram Mugutrao Karne. A machine for performing cutting, fiberizing and combing operations on sugar cane and other plant products.

246/BOM/1992. R. B. Reshellers Pvt. Ltd. A heavy duty high torque lathe.

247/BOM/1992. Ashok Kumar Guppa. A process and an apparatus for manufacturnig vacuum insulated double walled containers, particularly out of metals, such as aluminium stainless steel, and the like.

11-8-1992

248/BOM/1992. Karimbhai Valibhai Mankad. Increasing the heat efficiency and thereby decrease the fuel consumption in wick-stove.

12-8-1992

249/BOM/1992. Hindustan Lever Ltd. Synergistic Composition.

250/BOM/1992. Hindustan Lever Ltd. Process for improving product.

14-8-1992

251/BOM/1992. Pandurang Balkrishna Shitole. Electronic Induction cooker.

252/BOM/1992. Hindustan Lever Ltd. U.K. Priority Filed on 16-8-1991. Cosmetic composition.

17-8-1992

253/BOM/1992. Ajay Jaywant Kowley. Attachment to be provided for Micrometric adjustments to Thermoplastic pulverisers.

254/BOM/1992. Outokumpu Mintec OY. Method for adjusting the level of foam surface in Flotation machines.

24-8-1992

255/BOM/1992. Pradeep Kumar. Split fly-over for four road junction.

25-8-1992

256/BOM/1992. Rajan Bhogate. Method of making iron metal corrosion proof by transforming it's atoms into negative ions.

257/BOM/1992. Hindustan Antibiotics Ltd. An enzymatic process for the production of 6-aminopenicillanic acid from ammonium and alkylammonium salts of penicillin G.

258/BOM/1992. Hindustan Antibiotics Ltd. A new purification process for cephalosporanic acid-G using ion-exchange resin.

27-8-1992

259/BOM/1992. Crompton Greaves Ltd. An improved infiltration method of manufacturing contact tips of a switching device.

260/BOM/1992. Hindustan Lever Ltd. 29th August 1991, Great Britain. Food process.

1-9-1992

261/Bom/1992. Indian Petrochimicals Corporation Limited. A process for the preparation of an improved high silica zeolite catalyst and a method of the single step catalytic alkylation of ethyl benzene and ethanol to para diethylbenzene.

2-9-1992

262/Bom/1992. Garware-Wall R & D Division. An improved cable pulling winch system.

263/Bom/1992. Praj Counseltech Pvt. Ltd. The solid-liquid fluidised heat exchanger.

264/Bom/1992. Krishna Rao Chandra Sekaran. An apparatus to prevent the falling of human wates ever railway track from the lavotory of the passenger rail way coach.

3-9-1992

265/Bom/1992. Krishna Rao Chandra Sekaran. A method and a apparatus for disposing the human wastes released from the lavatory of the passenger Railway coach in preventing the wastes to fall over the railway track.

266/Bom/1992. Centre for Development of advanced Computing. An invention for Graphics and Intelligence Based Script Technology.

267/Bom/1992. Dr. Lalitbhai Atmaram Patel. Retention-enhancing milking system.

268/Bom/1992. Hindustan Lever Ltd. 4th September 1991, Great Britain. Cosmetic composition.

269/Bom/1992. Hindustan Lever Ltd. 4th September 1991, Great Britain Cosmetic composition.

4-9-1992

270/Bom/1992. Mr. Chandradatt Bholanath Navalkar. On coming traffic viewer for road vehicles.

271/Bom/1992. Hong Chong Hoon. A cleaning water supply device for a toilet.

7-9-1992

272/Bom/1992. Shri Varma Anil Kumar M. and Shri Ahu Kiran L. Improved Firing Mechanism.

273/Bom/1992. Shri Raghuvir Singh Hada. Horizontal Wind Mill.

9-9-1992

274/Bom/1992. Shri Ranjit Moraji Patel. Auto Roll Curtain System.

11-9-1992

275/Bom/1992. Hindustan Lever Ltd. Cosmetic composition.

276/Bom/1992. Hindustan Lever Ltd. U.K. Priority filed 12-9-1991. Hair conditioning composition.

277/Bom/1992. Shri Avinash Shri Krishna Vaidya. A vortex flow meter.

278/Bom/1992. Shri Avinash Shri Krishna Vaidya. A vortex flow meter.

279/Bom/1992. Shri Avinash Shri Krishna Vaidya. A flow metering apparatus.

280/Bom/1992. Shri Avinash Shri Krishna Vaidya. A vortex shedding flow meter.

281/Bom/1992. Shri Avinash Shri Krishna Vaidya. A flow metering device.

282/Bom/1992. Shri Avinash Shri Krishna Vaidya. A flow measuring device of the type making use of vortices.

283/Bom/1992. Shri Avinash Shri Krishna Vaidya. A flow meter.

284/Bom/1992. Shri Avinash Shri Krishna Vaidya. A flow metering apparatus.

15-9-1992

285/Bom/1992. Dr. Kishore Harbada. A composition for aiding the binding of lacerated regenerative tissue and a new method of binding such lacerations.

16-9-1992

286/Bom/1992. Smt. Divyaben Karsunbhai Dholaria. A steam sprayer.

287/Bom/1992. Mr. Adhir B. Sharma. An invention for combustion firing system for kilns.

288/Bom/1992. Shri Viswanath Dattatreya Hukerikar. A combined spark ignition and compression ignition type internal combustion engines.

289/Bom/1992. Shri Viswanath Dattatreya Hukerikar. A non-thermal evaporator.

17-9-1992

290/Bom/1992. Lubrizol India Ltd. A process for the synthesis of a novel acrylic ester copolymers for use as pour point depressants for crude oils.

291/Bom/1992. Shri Rakesh Kadam. A chappati making machine.

18-9-1992

292/Bom/1992. Eagle Flask Industries Ltd. Annimproved silvered double walled glass container with vaccum inside.

293/Bom/1992. Eagle Flask Industries Ltd. An invention of a disposable thermos flask.

294/Bom/1992. Eagle Flask Industries Ltd. An invention of a double walled glass casserole and the like glass-ware.

APPLICATION FOR PATENTS FIELD AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

24th August 1992

524/MAS/92. Dr. Joseph George. Improved method of making laminated boards of jute fibre and bamboo mats and laminated boards made thereby.

525/MAS/92. Dr. Joseph George. Method of preparing particle boards from mixtures of cereal straw and rice husk and particle boards prepared thereby.

526/MAS/92. Dr. Joseph George. Improved bamboo mat overlaid rice husk particle boards and a method of making the same.

527/MAS/92. Nokia-Maillefer Holding S.A. A device for a displacing carriage for displacing a cylindrical body into a winding machine.

528/MAS/92. Hamlin Transmission Corporation. A bicycle. (Divisional to Patent Application No. 903/MAS/88).

529/MAS/92. G. Chandrasekaran. A quick air exhaust valve for an air brake system.

25th August 1992

530/MAS/92. C. Selvakumar. Quartz-timer.

531/MAS/92. Antony Fernandez. Fuel saver.

532/MAS/92. BASF Aktiengesellschaft. Supported silver containing catalyst and the catalytic decomposition of dinitrogen monoxide.

533/MAS/92. BASF Aktiengesellschaft. Preparation of homo- and copolymers of propene by means of a Ziegler-Natta catalyst system.

534/MAS/92. BASF Aktiengesellschaft. A process for the preparation of homopolymers of propyelne or copolymers of propylene with other olefins or mixtures therof.

26th August 1992

535/MAS/92. Julius Hartai. Frequency-modulated converter with a series-parallel resonance.

536/MAS/92. Alusuisse-Lonza Services Ltd. Freight container, in particular air freight container.

537/MAS/92. Motorola Inc. A duplex radio transceiver coupled to one antenna for both receive and transmit functions. (Divisional to Patent Application No. 123/MAS/91).

The 27th August 1992

538/MAS/92. Lonza Ltd. Process for the preparation of a di-alkali metal 2-(methylthio)-barbiturate.

539/MAS/92. Akzo nv. Apparatus for melt spinning multifilement yarns and use thereof.

The 28th August 1992

540/MAS/92. M. Raghunandan. Dough/batter spreader.

541/MAS/92. M. Raghunandan. Drum heater.

542/MAS/92. The Boots Company PLC. Pharmaceutical process.

543/MAS/92. Baj Limited. Apparatus for sweeping a body of water. (August 30, 1991. United Kingdom).

544/MAS/92. Dena Corporation. Device for checking universal joint and method therefor.

545/MAS/92. BASF Aktiengesellschaft. A process for preparing caprolactam by Backmann rearrangement.

The 1st September 1992

546/MAS/92. Melbourne Water Corporation. (September 2, 1991; Australia).

547/MAS/92. Ralph Mullemberg. Cone type clamping arrangement.

The 2nd September 1992

548/MAS/92. SMS Schloemann-Siemag Aktiengesellschaft. Process and plant for producing of steel strip.

549/MAS/92. Pfister GmbH. Grevimetric Metering Apparatus for pourable materials.

550/MAS/92. Societe Des Produits Nestle S.A. Recovery of aroma gases.

551/MAS/92. Societe Des Praduits Nestle S. A. Reformed casein micelles.

The 3rd September 1992

552/MAS/92. Esvin Advanced Technologies Limited and Nutrine Confectionery Company Limited. A process for the preparation of liquid sugar direct from sugar cane juice.

553/Mas/92. BASF Aktiengesellschaft. Deactivated and reactivated metallocene catalyst systems.

The 4th September 1992

554/MAS/92. Joy M. Abraham. Care box—device to presserve materials liable to be affected by factors in the air.

The 9th September 1992

555/MAS/92. Empre-Werke Ernst Pelz GmbH & Co. Fibrous composite based on natural fibrous pleeces and process for its continuous production and further processing to mouldings.

The 9th September 1992

556/MAS/92. DSM N. V. Catalyst and process for the preparation of an olefin polymer.

557MAS/92. Teng-Hui Lu. The improvement apparatus of expandable and contractable front wheel of chainless bicycles.

558/MAS/92. American Telephone & Telegraph Company. The method of making a preform from whch optical fiber is drawn. (Divisional to Patent Application No. 256/MAS/91).

The 11th September 1992

558/MAS/92. K. Seshadri and V. Ramarahtnam. Spring force cycle motor.

560/MAS/92. Huwood International Limited. Angle Station. (September 13, 1991; Great Britain).

561/MAS/92. Brunswick Corporation. Improved boss for a filament wound pressure vessel.

The 14th September 1992

562/MAS/92. Rieter Ingolstadt Spinneriemaschinenbau Aktiengesellschaft. A gear unit, in particular for textile machinery, for preventing ribbon windings when winding on threads.

563/MAS/92. Rieter Ingolstadt Spinnerseimeschinenbau Aktiengesellschaft. A method and apparatus reducing the energy consumption in the operation of spinning elements.

564/MAS/92. DSM N. V. Catalyst and process for the preparation of an olefin polymer.

565/MAS/92. Permascand AB Electrode.

The 15th September 1992

566/MAS/92. Averampalayam Gopalswaminaidu Govindarajulu, sole proprieter, Allied Engineering Industries. Improvements in or relating to travelling cleaners for use on industrial machineries, such as textile machineries.

567/MAS/92. Rieter Ingolstadt Spinnereimaschinenbau AG. Drawing system to draw fiber slivers.

568/MAS/92. Palitex Project-Company GMBH. A device for winding a thread onto a spool.

The 16th September 1992

569/MAS/92. Pavuluri Rama Laksbmana Rao. Circuit for automatic automobile head lamp dipping.

570/MAS/92. Zellwegor Uster AG. Process and apparatus for calibrating testers for elongated textile materials.

571/MAS/92. Deutsche Prezisions-Ventil GmbH. Flow regulating valve.

572/MAS/92. Deutsche Prazisions-Ventil GMBH. A delivery device.

573/MAS/92. Deutsche Prazisions-Ventil GmbH. Actuating fitment for a spray container.

The 17th September 1992

574/MAS/92. Mauro Romagnoli. Interlocking dyeing support, for particular use on open-end spinning machines and other machinery.

The 18th September 1992

575/MAS/92. Ocular Research of Boston, Inc. Dry eye treatment process and solution.

576/MAS/92. Ausmelt Pty. Ltd. Top Submergable lance. (September 20, 1991; Australia).

577/MAS/92. Ausmelt Pty. Ltd. Process for production of iron. (September 20, 1991; Australia).

The 21st September 1992

578/MAS/92. C. V. Natarajan Guddam Venkatachalapathy Natarajan. New two piece lock.

579/MAS/92. Guddam Venkatachalapathy Natarajan. The rotary power unit.

580/MAS/92. Joseph John Britto. ""Process" for prolonging the shelf-life of palm saps and/or Neera.

581/MAS/92. Central Power Research Instweitute. Resin system comprising of latent accelerator based on transition metal chelates.

582/MAS/92. Dr. Joseph George. Improved rice husk particle boards with decorative overlays and a method of making the same.

583/MAS/92. Dr. Joseph George. An improved method of making composite rice husk particle boards overlaid and/or reinforced with jute fibre and/or fabric and boards made thereby.

584/MAS/92. Dr. Joseph George. A novel overlaid lignocellulosic particle board and a mothod of making the same.

585/MAS/92. Rieter Ingolstadt Spinnerseimaschinenbau Aktiengesellschaft. A process and apparatus for cleaning an open-end spinning rotor.

586/MAS/92. Minnesote Mining and Manufacturing Company. (Divisional to Patent Application No. 13/MAS/89).

The 22nd September 1992

587/MAS/92. Fissler GmbH. Pressure Cooker.

588/MAS/92. The Green Cross Corporation. Biocidal self-adhesive and process for producing the same, as well as self-adhesive article and application thereof.

589/MAS/92. Giovanni Arvedi. A process and an apparatus for the manufacture of billets and blooms from continuously cast steel showing high and excellent quality.

590/MAS/92. BASF Aktiengesellschaft. Preparation of Hydroxylammonium sulfate.

591/MAS/92. Haldor Topsoe A/S. Process and reactor for carrying out non-adiabatic catalytic reactions.

592/MAS/92. Saerimatic Holdings Limited. Improvements in or relating to skin-puncturing instruments. (October 5, 1988; Great Britain) (Divisional to Patent Application No. 701/MAS/89).

The 23rd September 1992

593/MAS/92. Maschinentabrik Rieter AG. A drive for a comber.

594/MAS/92. Asea Brown Boveri Ltd. Shroud ring for an axial flow turbine.

595/MAS/92. Howard W Cole Jr. A method for separating mineral particles from mineral bearing ore. (Divisional to Patent Application No. 127/MAS/89).

24th September, 1992

596/MAS/92. Institut Francais Du Petrole. A colloidal product containing boron and phosphorus.

597/MAS/92. Rite Lite USA, Inc. Sign plate for illuminated sign background of the invention.

25th September 1992

598/MAS/92. Compagnie Generale Des Etablissements Michelin-Michelin & CIE. Installation for heat-treating a wire of carbon steel. (Divisional to Patent Application No. 53/MAS/89).

28th September 1992

599/MAS/92. Kabushiki Kaisha Toshiba. Power inverting method and system capable of parallel connecting different types of A C power supplies with different capacities to common bus line.

600/MAS/92. Rieter Ingolstadt Spinnereimaschinenbau Aktiengesellschaft. Method and device for stopping a spool on an open-end spinning machine.

601/MAS/92. Casco Nobel Industrial Products AB. Gluing Method.

602/MAS/92. Warwick International Group Limited. Bleaching Compositions. (September 27, 1991; Great Britain).

29th September 1992

603/MAS/92. Energy Conversion Devices, Inc. Electrode alloy having decreased hydrogen overpressure and/or low self-discharge.

604/MAS/92. Meillor S.A. Cylinder heat Gasket, more particularly for internal combustion engine and method to make it.

605/MAS/92. Sun Valley Poultry Limited. The treatment to meat. (October 1, 1991; United Kingdom).

606/MAS/92. American Telephone & Telegraph Company. An optical fiber cable. (Divisional to Patent Application No. 151/MAS/91).

30th September 1992

607/MAS/92. Dr. Chembumkulam Sreedharan Bhaskaran Nair. A method of manufacture of an autoclavable plastic container (containing an aqueous solution) free from moisture on the outer surface thereof and such autoclavable plastic container manufactured by the said method.

608/MAS/92. Dr. Chembumkulam Sreedharan Bhaskaran Nair. A process for the preparation of non-toxic biocompatible polyvinyl chloride compositions.

609/MAS/92. Societe Des Produits Nestle S.A., Milk Product.

610/MAS/92. Societe Des Produits Nestle S.A. A process for the production of solubel instant cofee in powder form.

611/MAS/92. Sandvik AB. Precipitation hardenable martensitic stainless steel.

1st October, 1992

612/MAS/92. V. K. Asokan. Improved Water Train.

613/MAS/92. Akzo N. V. Suspension and Agglomeration of Amidoperoxyacids.

614/MAS/92. Societe Nationale Elf Aquitaine (Production). Recovery of aprotic polar solvents from their saline aqueous solutions.

615/MAS/92. Tube Investments of India Ltd. A sleeved compression member and a method of making the same.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005

27th July 1992

656/Del/92. The Procter & Gamble Co., "Cosmetic case".

657/Del/92. The Procter & Gamble Co., "Absorbent articles, especially catamenials, having improved fluid directionality, comfort and fit".

658/Del/92. The Procter & Gamble Co., "A personal cleansing freezer bar made with a rigid, interlocking mesh or neutralized carbodylic acid".

659/Del/92. The Procter & Gamble Co., "Process for producing a detergent composition containing alkyl sulfate particles and base granules".

660/Del/92. The Procter & Gamble Co., "Absorbent core for use in catamental products".

661/Del/92. Michigan State University, "Transgenic plants producing polyhydroxyalkanoates".

662/Del/92. The Lubrizol Corporation, "Two-cycle lubricants and methods of using the same".

663/Del/92. Shriram Institute for Industrial Research, "A process for the preparation of tetrabromobisphenol-A".

664/Del/92. Shriram Institute for Industrial Research, "A process for the preparation of tetrabromobisphenol-A".

665/Del/92. Shriram Institute for Industrial Research, "A process for the preparation of tetrabromobisphenol-A".

28th July 1992

666/Del/92. Isher Singh Gill, "Improvement in artificial recharge well for underground water".

667/Del/92. Rohm & Haas Co., "A process for preparing carbonaceous absorbent particles". (Divisional date 23rd January 1989).

668/Del/92. The Lubrizol Corporation, "Improved lubricating compositions and additives useful therein".

669/Del/92. Rohm & Haas Co., "A process for preparing carbonaceous absorbent particles". (Divisional date 23rd January 89).

29th July 1992

670/Del/92. General Electric Co., "Diamond pellets and saw blade segments made therewith".

671/Del/92. Arjun Raj Malhotra, "Oil refining assembly".

672/Del/92. Indian Institute of Technology, "A polymeric compositions for use in the manufacture of polymeric tapes which have diverse uses".

673/Del/92. Gorachand Ghosh, "Universal optical fibre adaptor and detector".

674/Del/92. Sir Padampat Research Centre, "An improved process for the manufacture of hydrophilic polycaproamide or its copolymers".

29th July 1992

675/Del/92. The Procter & Gamble Co., "Process for preparing N-alkyl polyhydroxyalky amines in aqueous/hydpoxy solvents".

676/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of a novel enzyme useful as an organic fertiliser".

677/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of 8-(3-hydroxy phenyl) octanoic acid, a bifunctional monomer".

678/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of poly (1, 3-phenyl octanoate)-a homopolyester".

679/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of a fumigating antifungal composition".

680/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of poly (1, 4-benzoate-Co-1, 3-phenyl octanoate)-a thermotropic liquid crystalline copolyester".

30th July 1992

681/Del/92. BST Holdings Pty. Ltd., "Lightweight concrete". (convention date 8th August 91) (Australia).

31st July 1992

682/Del/92. Shriram Institute for Industrial Research, "Liquid crystal polymers".

683/Del/92. Shriram Institute for Industrial Research, "A liquid crystal polymers".

684/Del/92. Shriram Institute for Industrial Research, "Liquid crystal polymers".

685/Del/92. Institut Gornogo Dela Sibirskogo Otdelenia Rossiiskoi Akademii Nauk & Other, "Bucket excavator".

686/Del/92. Verlag "Kornelius" GmbH., "Retail aid for bookshops".

3rd August 1992

687/Del/92. Sah Industrial Research Institute, "Test apparatus for checking the shut off heads and starting of motor driven pumps at different heads".

688/Del/92. Sah Industrial Research Institute. "Energy efficient trickle varnishing plant for universal F.H.P. motor armatures".

689/Del/92. Polyfibre S.A., "Fibre reinforced shaped solid articles".

4th August 1992

690/Del/92. Albright & Wilson Ltd., "Processing of powder". (Convention date 15th August 91) (U.K.).

5th August 1992

691/Del/92. Ericsson Ge Mobile Communications Inc., CDMA subtractive demodulation".

692/Del/92. The Lubrizol Corporation, "Oil compositions".

693/Del/92. Stelco Inc., "Electrolytic etching of metals to reveal internal quality".

694/Del/92. Pfizer Inc., "Process for preparing a novel-3-substituted-2-oxindole derivatives". (Divisional date 27th March 90).

695/Del/92. Pfizer Inc., "Process for preparing a novel-3-substituted-2-oxindole derivatives". (Divisional date 27th March 90).

6th August 1992

696/Del/92. Haji Mohammad Sultan Bhat., "Generating energy under the name water, earth and air (WEA) resources energy".

697/Del/92. Council of Scientific & Industrial Research, "An improved process for direct electrowinning of metals from sea nodules for the recovery of Cu, Ni & Co".

7th August 1992

698/Del/92. Vivek Mittal & Other., "A process for the preparation of a DNA fragment specific for entamoeba histolytica".

699/Del/92 Rohm & Haas Co., "Polymer blends."

10th August 1992

700/Del/92. Ranbaxy Laboratories Ltd., "Process for the manufacture of "Z and E rotamers of 3-hydroxy cephem derivatives".

701/Del/92. ICI Canada, Inc., "Mixed surfactant system". (Convention date 30th August 91) (U.K.).

702/Del/92. Simmons-Rand Co., "Open seam friction rock stabilizer".

703/Del/92. Honda Giken Kogyo Kabushiki Kaisha, "Belt-type non-stage transmission".

11th August 1992

704/Del/92. The Chief Controller Research & Development, "Temperature compensated dieletrics-dirators 284-270027, 285-270010, 244-400050, 244-400047.

705/Del/92. Exxon Chemical Patents, Inc., "Ester free ethers".

706/Del/92. Exxon Chemical Patents, Inc., "Load bearing fluid".

707/Del/92. Duracell Inc., "Battery with electrochemical tester".

708/Del/92. BBA Canada Ltd., "High energy dissipation harmonic filter reactor".

12th August 1992

709/Del/92. Baver Aktiengesellschaft & Other., "Water procuring elements produced by bonded joints, a process for their production and their use".

710/Del/92. Minitek Feinmechanische Produkte Gesells chaft M.B.H., "One-day valve for fluids".

13th August 1992

711/Del/92. TRW Vehicle Safety Systems Inc., "Process to recover azide values from azide-based gas generating materials".

712/Del/92. S. K. Gupta, "Electricity produced by magnetic force".

14th August 1992

713/Del/92. Gould Inc, "Resistive metal layers and method for making same'k'.

714/Del/92. The Goodyear Tire & Rubber Co., "A radial pneumatic tire having contoured zones in the sidewalls".

715/Del/92. Exxon Chemical Patents, Inc., "Compounds & fuel compositions". (Convention date 22nd August 91) (U.K.).

COMPLETE SPECIFICATION ACCEPTED

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The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 195 [XXIX (3)], 195 A 171531

Int. Cl. : F 16 K 5/06, 5/20.

AN IMPROVED SEAL IN BALL VALVE.

Applicants : KSB PUMPS LTD, 126, MAKER, CHAMBERS III, NARIMAN POINT, BOMBAY-400 021, MAHARASHTRA, INDIA.

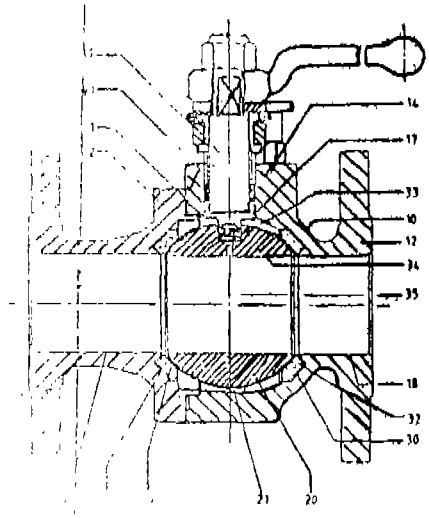
Inventor : NANDAN BHALCHANDRA PRANJAPE.

Application No. 169/Bom/1989 filed June 16, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

CLAIM-1—An improved seal in a ball valve comprising of opposed valve seats surrounding an inlet opening with sealing ring accommodating grooves, having the flat seating surfaces and a connecting surface, a sealing ring received in the said accommodating grooves, a valve member, being at least partially spherical and having rounded sealing ring contacting surfaces and adapted for rotation between said valve seats, the improvement comprising the said sealing ring comprising an annular body of box shape resiliant material having a flat outer shoulder portion and a flat inner shoulder portion, said outer shoulder portion facing substantially, parallel to the fluid passage and said inner shoulder portion, having an angle (not exceeding 50) to the fluid passage, to avoid direct exposure to fluid flow, said shoulders being adapted to meet in seating contact the said opposed seating surfaces of said sealing ring accommodating groves said annular body having a substantially convex inner contact surface extending between said shoulders for engagement by said rounded sealing ring contacting surfaces of said ball ball valve member, and a substantially concave surface spaced from said connecting surface and opposed to said substantially convex surface and disposed between said shoulders whereby pressure applied to said substantially convex surface by engagement with said rounded sealing ring contacting surfaces of said valve member flexes said substantially convex surface outwardly to conform at least in art to said rounded sealing ring contacting surfaces of said ball valve member, thereby establishing seating contact and maintaining the desired seating contacts between said sealing ring and the corresponding seating surfaces of said sealing ring accommodating grooves.



Compl. specn. 9 pages Drgs. 2 sheets.

Ind. Cl. : 189[LXVI(9)] 171532

Int. Cl. : A 61 K—7/00.

SUNSCREEN COMPOSITION SUITABLE FOR TOPICAL APPLICATION TO HUMAN SKIN OR HAIR.

Applicants : HINDUSTAN LEVER LIMITED, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASTRA, INDIA.

Inventors : DR. COLLUR VISWESWARIAH NATRAJ, DR. MAYARA EASWARAN NARAYANAN NAMBUDIRY.

Application No. 266/Bom/1989 filed September 28, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

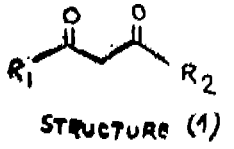
5 Claims

A synergistic sunscreen composition suitable for topical application to human skin or hair to provide protection from excessive exposure to ultra-violet light having lesser than usual amounts of a known synthetic organic sunscreen in amounts of a known synthetic organic sunscreen in amounts less than 10% by weight of the composition, said composition comprising :

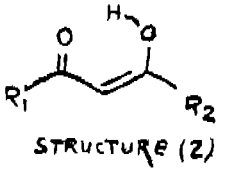
(i) an effective amount not exceeding 15% by weight of the composition of a 1, 3-diketone of the structure 1 where the groups R^1 and R^2 are the same or different and are groups of structures 3, 4, 5, 6 and 7, at least the group R^1 selected from the groups of structures 3, 6 and 7;

(ii) a known synthetic organic sunscreen in amounts not exceeding 10% by weight of the composition and having an ultra-violet absorption band within the UV-B range of 290 to 320 mm; and

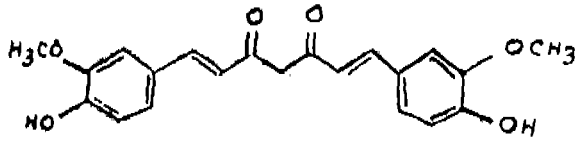
(iii) a physiologically acceptable vehicle for the substituted 1, 3-diketone and synthetic organic sunscreen.



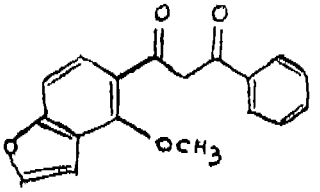
STRUCTURE (1)



STRUCTURE (2)



STRUCTURE (8)



STRUCTURE (9)

Comp. specn. 37 pages Drg. 1 sheet

Prov. specn. 6 pages Drg. 1 sheet

2—327GI/92

Ind. Cl. : 33 A and H Gr. [XXXIII(3)] 171533

Int. Cl. : B 22 D—11/00.

METHOD FOR CONTINUOUS CASTING OF STEEL.

Applicant : N K K CORPORATION, A CORPORATION DULY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, LOCATED AT 1-2, 1-CHOME, MARUNOUCHI, CHIYODA-KU TOKYO, JAPAN.

Inventors : (1) MIKIO SUZUKI
(2) TORU KITAGAWA
(3) SHINOBU MIYAHARA
(4) AKIO NAGAMUNE
(5) YOSHIYUKI KANAO
(6) NORIO AO
(7) HIRONORI YAMAMOTO.

Application No. 53/Bom/1990 filed on 6th March, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

8 Claims

A method for continuously casting steel in a mold having a pair of wide sides and a pair of narrow sides, comprising :

charging molten steel from a molten steel source into said mold through exit ports of an immersion nozzle that is positioned in said mold;

positioning at least one pair of direct current magnets adjacent said pair of wide sides of said mold, said nozzle being positioned in said mold between said at least one pair of direct current magnets;

each of said pair of direct current magnets having end portions facing the said mold and having polarities that are opposite to each other;

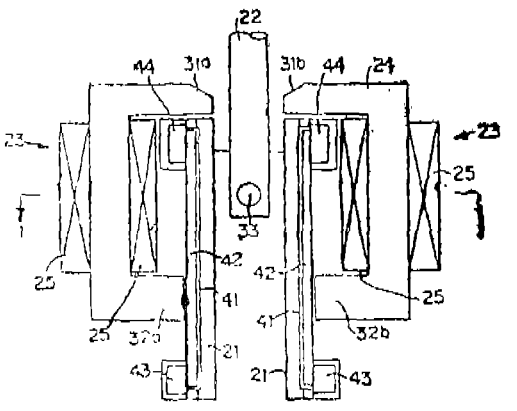
characterized in that placing the same polarity end portions of said magnets to face each other;

measuring the waviness of said molten steel surface;

energizing saiid at least one pair of direct current magnets to generate a magnetic field in said molten steel exiting from said exit ports, said magnetic field being generated in a plane that is substantially vertical to the direction of flow of said molten steel;

further characterized in that the said immersion nozzle has two exit ports, each of which has an angle of 15^0 to 45^0 downward from the horizontal plane; and

casting said molten steel at a predetermined rate.



Compl. specn. 23 pages Drgs. 8 sheets.

Ind. Cl. : 170 D, Gr. [XLIII(4)] 171534

Int. Cl. : C 11 D, 3/065.

DETERGENT COMPOSITIONS.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : PETER JAMES POWERS.

Application No. 65/Bom/1990 filed on 21st March, 1990.

Conventional Priority U K filed on 22-3-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

5 Claims

A detergent composition in bar form comprising from 10 to 45% by weight of non-soap detergent active and from 12 to 60% by weight of detergency builder, in which bar :

(i) at least one third by weight of the detergent active present is primary alcohol sulphate containing from 8 to 22 carbon atoms.

(ii) the detergency builder comprises at least two alkali metal phosphates selected from ortho, pyro and tripolyphosphates.

Compl. Specn. 18 pages Drg. Nil.

Ind. Cl. : 144 A Gr. [XII(3)] & 48 C Gr. [LVIII(3)]. 171535

Int. Cl. : B 29 C—55/22, H 01 B—19/04.

A PROCESS AND PLANT TO MANUFACTURE CONTINUOUS LENGTH VARNISHED SLEEVE WITH STABLE INNER DIAMETER.

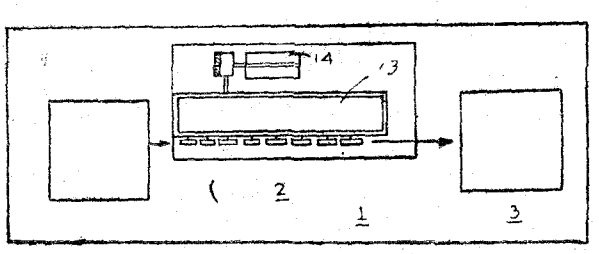
Applicant & Inventor : ARUN HARI KULKARNI, HARIKRUPA BUILDING, 326 RASTA PETH, PUNE-411 011, MAHARASHTRA STATE, INDIA, A SUBJECT OF THE REPUBLIC OF INDIA.

Application No. 106/Bom/1990 filed on 10th May, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

A process to manufacture a continuous length varnished sleeve with stable inner diameter comprising initially desizing and rounding of the unvarnished sleeve which is usually in crumpled, collapsed, flattened state, is made to pass through the roundness imparting and shape retaining mechanism, the said unvarnished sleeve is further made to pass over a heating device such that the floss over the outer surface of the unvarnished sleeve gets burnt to render the sleeve little stiffness and thereby stable inner diameter; the said unvarnished sleeve is further taken to the varnishing unit in which the said sleeve is passed over a drum or a pulley onwards through the actual varnish application bath and further through an oven such that the varnish gets cured and is further dried in a conventional manner such that the outcoming varnished sleeve shall thus be of continuous length and having stable inner diameter.



Compl. Specn. 7 pages; Drgs. 3 sheets

Ind. Cl. : 35 B, C [XXV(2)]; 85 J, L, K [XXXI]; 61 C, H, I [VIII] 171536

Int. Cl. : C 04 B—7/26.

A COMPLEMENTARY DEVICE FOR REUTILISATION OF PARTIALLY CALCINED ELECTRO-STATICALLY PRECIPITATED DUST WASTE REFERRED TO AS "PC-ESP DUST" FOR CALCINING IN A ROTARY KILN USED IN WET PROCESS CEMENT MANUFACTURE.

Applicants : THE ASSOCIATED CEMENT COMPANIES LIMITED AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT : CEMENT HOUSE, 121 MAHARSHI KARVE ROAD, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : 1. JAGJAHIR LAL TIWARI 2. PREM SHANKAR BAKSHI.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

3 Claims

A complementary device for reutilisation of PC-ESP-dust waste for calcining in a rotary kiln used in wet process cement manufacture comprising a known electro-static-precipitator provided at the exhaust side of a rotary kiln to separate out PC-ESP-dust of particle size less than 90 micron from exhaust gases generated within said rotary kiln, an additional hopper having a known conveyor with feed valve to control the feed rate ratio of said PC-ESP-dust with respect to feed rate of lime stone and other raw materials forming kiln feed slurry for calcining in said rotary kiln for making cement by wet process, and a feed tube extending from the bottom of said additional hopper, the other end of which being downwardly inclined and provided with a vibrator for uniformly sprinkling said PC-ESP-dust and positioned above and ahead of a feed tube for feeding said kiln feed slurry into feed end of said rotary kiln.

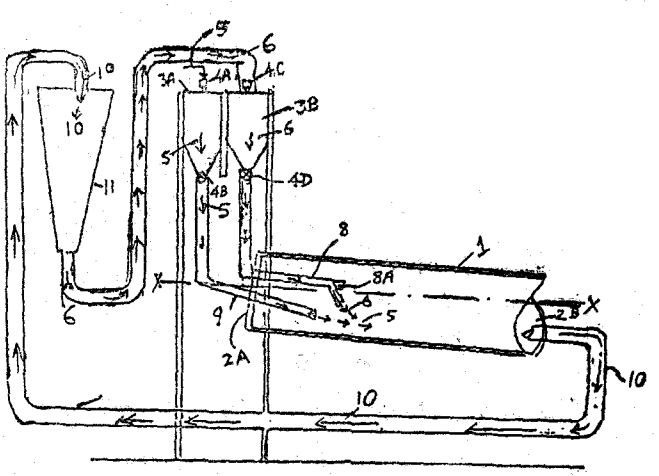


FIG. 1

Compl. Specn. 6 pages Drg. 1 sheet

Ind. Cl. : 144E$_6$ [XII (3)] 171537

Int. Cl. : C09 C—3/00, C09 D—17/00.

A PROCESS FOR MAKING STRUCTURAL AGGREGATE PIGMENTS.

Applicant : INDUSTRIAL PROGRESS, INC. 614 HIGHWAY No. 130 P.O. BOX 968, EAST WINDSOR, NEW JERSEY 08520, UNITED STATES OF AMERICA.

Inventor : ADAM F. KALISKI.

Application No. 184/BOM/1990 filed on 20-7-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

34 Claims

A process for the manufacture of single component and multi-component structural aggregate pigment products from particulate matter treated with complex functional microgels, comprising the steps of:

(a) preparing, in-situ, a subcolloidal reactive hydrosol by blending aqueous solutions, one of which contains at least one compound selected from the group consisting of alkali-metal silicates and quaternary ammonium silicates, and the other of which contains at least one compound selected from the group consisting of alkali-metal aluminates and alkali-metal zincates, each in an aqueous dispersion of quantitatively predominant particulate matter;

(b) blending an aqueous solution containing at least one gel-setting agent selected from the group consisting of bivalent and multivalent inorganic salts and organic cationically-active chemical compounds with at least two reactive groups in each molecule with the resultant system from step(a) to cross link the in-situ formed subcolloidal reactive hydrosol and synthesize said complex functional microgels, wherein the particulate matter flocculates instantaneously, indiscriminately and completely to form a structural aggregate pigment product; and

(c) recovering said structural aggregate pigment product from step (b).

Comp. Specn. 77 pages. Drg. Nil

Ind. Cl. : 40C[IV(1)], 144E, [XII(3)] 171538

Int. Cl.: B 01 J—13/00.

A PROCESS FOR SYNTHESIZING COMPLEX FUNCTIONAL MICROGELS WITH RAPID FORMATION KINETICS.

Applicant: INDUSTRIAL PROGRESS, INC., 614, HIGHWAY NO 130 P.O. BOX 968, EAST WINDSOR, NEW JERSEY 08520, UNITED STATES OF AMERICA.

Inventor: ADAM F. KALISKI.

Application No. 185/BOM/1990 filed on 20-7-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

11 Claims

A process for synthesizing complex functional microgels with ultrarapid formation kinetics in aqueous media comprising the steps of:

(a) preparing a subcolloidal reactive hydrosol by blending aqueous solutions, one of which contains at least one compound selected from the group consisting of alkali-metal silicates and quaternary ammonium silicates and the other of which contains at least one compound selected from the group consisting of alkali-metal aluminates and alkali-metal zincates;

(b) blending an aqueous solution containing at least one gel-setting agent selected from the group consisting of bivalent and multivalent inorganic salts and organic cationically-active chemical compounds with at least two reactive groups in each molecule with the resultant system from step (a) to cross link said subcolloidal reactive hydrosol and synthesize said complex functional microgels; and

(c) recovering said complex functional microgel from step (b).

Comp. Specn. 33 pages. Drgs. Nil

Ind. Cl.: 30 [XXX(2)] 171539

Int. Cl.: F 21 V—35/00.

IMPROVED CANDLE LAMP.

Applicants & Inventors: MAHENDRA DEVJI SHAH AN INDIAN CITIZEN B-8 URMI JIVAN CO-OP HOUSING SOCIETY 4TH FLOOR, TITHAL ROAD VALSAD, DIST. SURAT, PIN-396 001, GUJARAT STATE, INDIA.

Application No. 197/Bom/1990 filed on 3-8-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

Improved candle lamp being characterised by a combination of a receptacle of any geometrical shape or size made or moulded from metal or high impact heat resistant plastic resins such as high impact polypropylene, polyethylene or the like synthetic resins or glass fiber reinforced with epoxy resins, a wax block cast into said receptacle after placing therewithin one or plurality of wicks in spaced relationship with each other wherein each of said cotton wick being wound with a wire coil reinforcement having a serpentine coiled ring forming a base therefor and wherein one side of said receptacle being provided with an integrally formed or detachable grip or handle for carrying said candle lamp from one place to another and wherein the molten wax sliding along the wall of said candle block gets collected within said receiptacle and which on hardening forms a candle fuel for the lamp and said waste wax is recycled for lighting self same wick or wicks in said candle lamp.

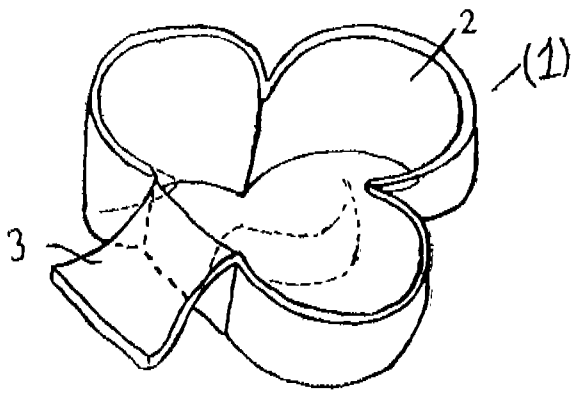


Fig. 1

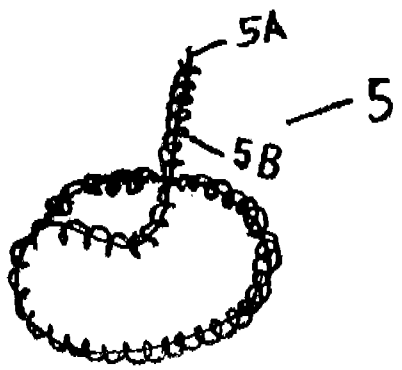


Fig. 3

Compl. Specn. 6 pages. Drg. 1 sheet

Ind. Cl.: 54 [XIV (3)] 171540

Int. Cl.: A 23F, 3/16, 3/24, 3/42.

TEA PROCESS.

Applicants: HINDUSTAN LEVER LTD. 165-166, BACK-BAY RECLAMATION, BOMBAY-400 020, INDIA.

Inventors: (1) ANDREW JAMES DYKS, (2) PAUL MARCUS HART AND (3) HANSULRICH TER MEER.

Application No. 193/BOM/1991 filed on Jul 2, 1991.

U.K. Priority Convention date—Jul 3, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

16 Claims

1. A process for separating a tea extract into phases, which comprises;

(a) changing the natural self-separating capacity (as herein before defined) of a tea extract by concentrating the tea extract in a manner such as herein described.

(b) inducing a phase separation in a manner such as herein described by lowering the temperature of the concentrated tea extract to a value below 5°C, and

(c) isolating in a known manner the separated phases in the concentrated tea extract.

Compl. pecn. 19 pages; Drg. Nil

Cl.: 29 D. 171541

Int. Cl.[4] : G 06 F 15/52.

A SYSTEM FOR VERIFYING COMPUTER SOURCE CODE.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: (1) R. RALPH DELUCIA, (2) DANIEL JOSEPH WOLF AND, (3) ERIC PHILIP CASTEEL.

Application No. 213/Cal/88; filed on March 14, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A system for varifying computer source code having a known format and a series of program statements, including non-control and control statements by which the program can branch to alternative program statements of the source code, said system comprising:

means for instrumenting the source code by dividing the source code into blocks of code, a block of code being the non-control statements between control statements, and to insert into said blocks of code executable instructions to write to an output file an identifier for each block of code when it is executed;

means for generating a variable file containing the input value of selected input variables of the source code the expected output values for output variables of the source code for selected test cases, said test cases being selected such that each block of code is executed;

means for generating a test driver routine utilizing the values in the variable file to implement the test cases; means to compile and link the test driver routine with the instrumented source code;

means for executing the compiled/linked test driver routine and the instrumented source code; and

means for generating an output presenting actual output values and the expected output values for each test case and a sequential listing from said output file of the block identifiers of the blocks of said source code in the sequence in which they were executed.

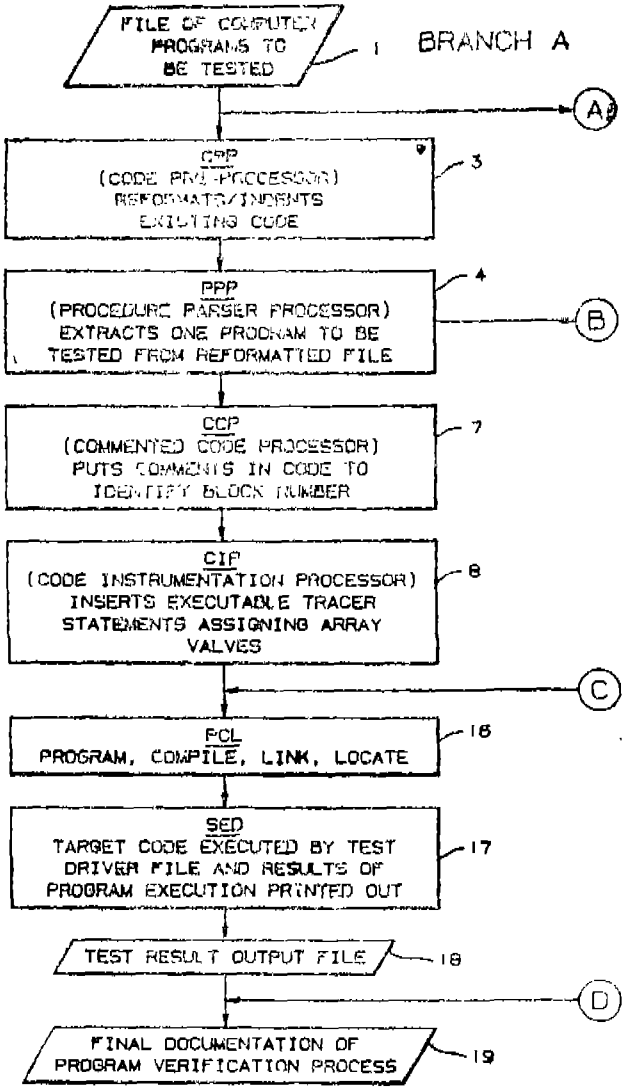


Fig. 1 a

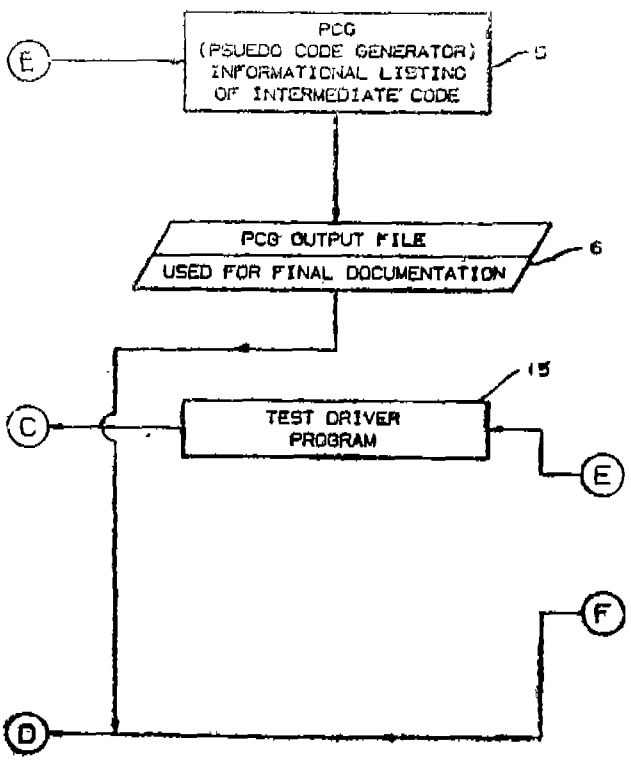


Fig. 1 b

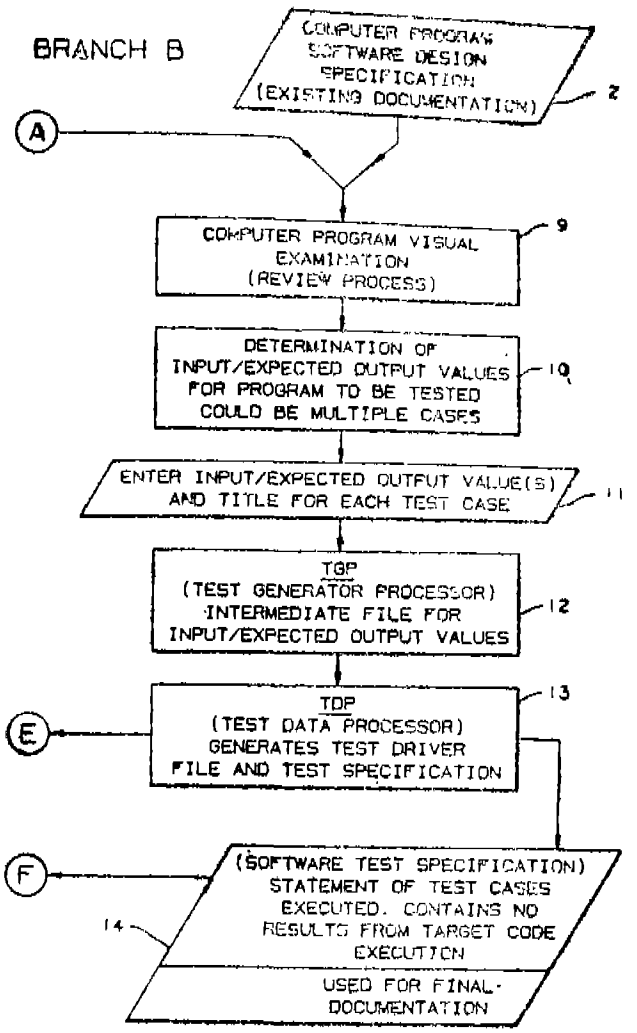


Fig. 1 C

Compl. Specn. 27 pages. Drgs. 19 sheets

Cl. : 32 F_1+32 F_{2a} 171542

Int. Cl[5] : C 07 C 147/12.

A PROCESS FOR THE BIS (HYDROXYETHYLSULFONYLMETHYL) ANILINES".

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

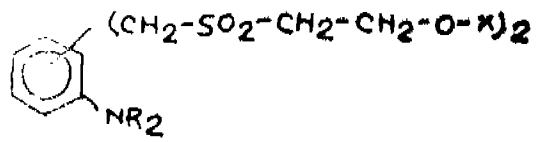
Inventors : (1) THEODOR PAPENFUHS, (2) JOSEF GEISENBERGER.

Application No. 791/Cal/88 filed on 22 September 1988.

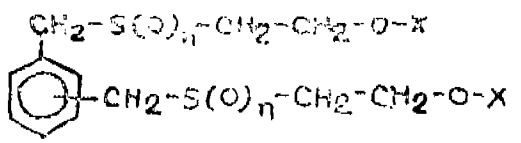
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

6 Claims

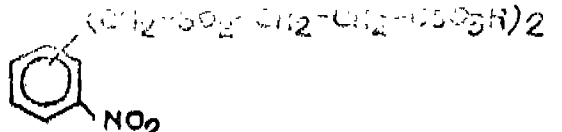
A process for the preparation of a bis-(hydroxyethysulfonylmethyl) aniline of the formula (1a) of the accompanying drawings in which the two side chains -CH_2-SO_2-CH_2-CH_2-OH are in the ortho-, meta- or para position relative to one another and the amino group is in the 4-position in the case where the two side chains mentioned are in the 1, 2-or 1, 3-position, which comprises reacting 1 mol of a xylylenedichloride (1, 2-, 1, 3- or 1, 4-bis (chloromethyl) benzene) with at least 2 mol of mercaptoethanol at tempratures from 40° to 150° in an aqueous medium in the presence of an acid-binding agent to give the corresponding bis (hydroxyethylmercaptomethyl) benzene of the formula (11A) in which the two side chains are in the ortho-, meta- or para-position relative to one another, oxidizing this product with at least 4 mol of hydrogen peroxide at temperatures from 50 to 120°C at a pH 7 in the presence of tungsten (VI) corpounds such as herein described as a catalyst to give the corresponding bis (hydroxyethylsulfonylmethyl) benzene of the formula (11B) in which the two side chains are in the ortho-, meta- or para-position relative to one another converting this product with at least 4 mol of anhydrus sulfuric acid at temperature of 30 to 45°C to the corresponding bis (sulfuric ester), nitrating the latter with at least the stoichiometric amount of high-percentage nitric acid at temperatures from 0 to 60°C to give the bis (sulfatoethylsulfonylmethyl) nitrobenzene of the formula (IV) in which the two side chains -CH_2 -SO_2 -CH_2 -CH_2 OSO_3H are in the ortho-, meta- or para-position relative to one another and the nitro group is in the 4-position in the case where the two side chains mentioned are in the 1, 2-or 1, 3-position, hydrolyzing this product after the addition of water by heating to give the corresponding bis-(hydroxyethylsulfonylmethyl) nitrobenzene and reducing in a conventional manner the latter, after isolation of the intermediate, to the corresponding bis (hydroxyethylsulfonylmethyl) aniline.



FORMULA (I)



FORMULA (II)



FORMULA (IV)

Compl. Specn. 21 pages; Drgs. 2 sheets

Cl. : 127 D. 171543

Int. Cl. : B 26 B 1/00,
B 26 D 1/00, 3/00, 5/06, 7/00 11-A, 12 11-B.

CUTTING MILL.

Applicant : COLORTRONIC GMBH OF FRIEDRICHSDORF, WEST GERMANY AND FIRMA FRANZ MULLER OF SEEGEWANN 2, D-6000 FRANKFURT, RODELHEIM, WEST GERMANY.

Inventor : GERHARD MULLER.

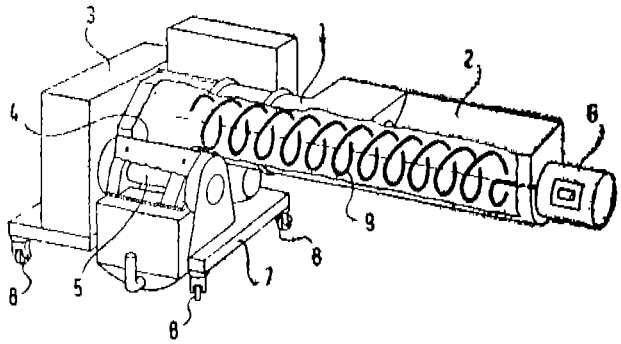
Application No. 11/Cal/1989; filed on 3rd January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A cutting mill, particularly for crushing waste products, such as severed pieces and the like, resulting during the injection molding of plastics articles, comprising crushing means

and conveyor means for transporting the waste products from a receiving section to the crushing means, said conveyor means comprises at least one spring extending in a substantially helical manner and being rotatable around its longitudinal axis in a cylindrical housing.



Compl. Specn. 7 pages. Drg. 1 sheet

Cl.: 185 E, 54 171544

Int. Cl. A 47 J 31/00.

AN AUTOMATIC MACHINE FOR PREPARING TEA LIQUOR, SUITABLE FOR USE BY TEA TASTERS.

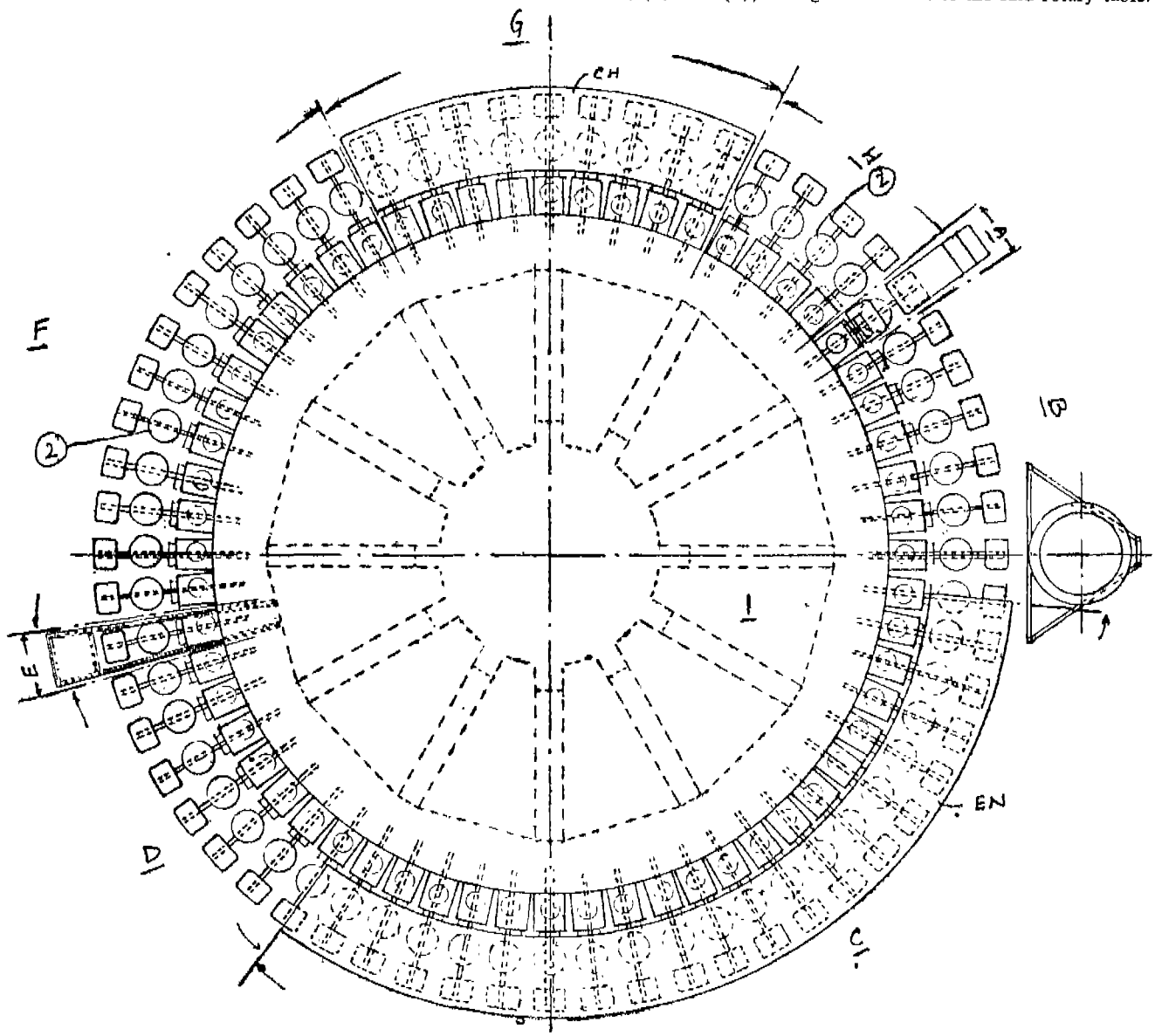
Applicants & Inventors: ASHOK BARAN GUHA, OF G.T. ROAD, KAILASHNAGAR, P.O. BANDEL, DIST. HOOGHLY, WEST BENGAL, INDIA. TAPAN BANERJEE OF 'BALAKA', DHARAMPUR, P.O. CHINSURAH, DIST. HOOGHLY WEST BENGAL, INDIA.

Application No. 138/Cal/1989; filed on 16th February 1989.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Calcutta.

29 Claims

An electronically controlled automatic machine for preparing tea liquor, suitable for use by tea tasters, comprising a circular rotary table, adapted to carry a plurality of equiangularly disposed cups adjacent its peripheral edge, and being rotatably mounted on its central axis for being rotated by a drive source, as and when desired, so as to traverse angularly spaced stationary zones for (a) weighing of tea leaf and feeding of predetermined quantity of tea in the respective cups; (b) pouring of desired quantity of hot waster in the respective cups containing predetermined quantity of tea leaves; (c) brewing of tea in the respective cups; (d) pouring of desired quantity of milk in the respective cups; (e) inspection-cum-tasting of tea prepared in the respective cups; and (f) washing-cum-drying of the respective cups; and wherein the said zones (a), (b) and (d) are adapted to be energised eelctronically, according to predetermined/desired programmable sequence, in the event of the respective cup being caused to be positioned in/through any of the said zones (a), (b) and (d), during the rotation of the said rotary table.



Compl. Specn. 30 pages. Drgs. 4 sheets

Cl. : 12 B, D. 171545

Int. Cl. : C 21 D 1/08, 1/09, 1/30, 1/40, 1/42 1/54, 3/00, 4/52.

A METHOD OF ANNEALINC A NON-ORIENTED STEEL.

Applicant : ARMCO ADVANCED MATERIALS CORPORATION OF STANDARD AVENUE, LYNDORA, PENNSYLVANIA 16045, UNITED STATES OF AMERICA.

Inventor : JERRY WILLIAM SCHOEN.

Application No. 141/Cal/1989; filed on 20th February 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

11 Claims

The method of annealing nonoriented electrical steel comprising the steps of :

(a) annealing said steel by the step of heating at a rate of 100°C per second and such as upto 1000°C per second to a temperature of from 750°C to 1150; and

(b) soaking said steel for a time less than 5 minutes;

Compl. Specn. 20 pages. Drgs. 3 sheets

Cl. : 9 D, 12 D, 108-C-3. 171546

Int. Cl. : C 21 D 10/00, C 25 D 13/00, C 25 F 3/24, C 30 B 31/00.

A METHOD OF PRODUCING PERMANENT DOMAIN REFINEMENT FOR ELECTRICAL STEEL STRIP.

Applicant : ARMCO ADVANCED MATERIALS CORPORATION OF STANDARD AVENUE, LYNDORA, PENNSYLVANIA 16045, UNITED STATES OF AMERICA.

Inventor : WAYNE FREDERICK BLOCK.

Application No. 142/Cal/1989; filed on February 20, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

16 Claims

A method of producing permanent domain refinement for electrical steel strip containing upto 6.5% silicon which comprises the steps of :

(a) subjecting said strip to a final high temperature annealing step,

(b) providing a glass film having a composition known per se on the surfaces of said strip,

(c) providing a series of parallel linear regions to at least one of said surfaces which have spaced intervals of a about 5 to 20mm said regions exposing said steel surface to width of about 0.05 to 0.3mm, and

(d) electroetching said linear regions in a bath containing an electroetching agent such as nitric acid to increase the depth below said glass film to about 0.012 to 0.075 mm.

Compl. Specn. 18 pages. Drgs. 2 sheets

Int. Cl. : C 21 D 10/00, C 25 D 13/00, C 25 F 3/24 C 30 B 31/00. 171547

Cl. 9-D, 12-D, 108-C-3

A PROCESS FOR PRODUCING PERMANENT DOMAIN REFINEMENT ON GRAIN ORIENTED ELECTRICAL STEEL STRIP.

Applicant : ARMCO ADVANCED MATERIALS CORPORATION OF STANDARD AVENUE, LYNDORA, PENNSYLVANIA 16045, UNITED STATES OF AMERICA.

Inventors : (1) WAYNE FREDERICK BLOCK AND (2) WADE STEVEN WRIGHT.

Application No. 143/Cal/1989; filed on 20th February 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta .

13 Claims

A process for producing permanent domain refinement on grain oriented electrical steel strip having a glass film, and process comprising :

(a) removing said glass film in a narrow regions about 0.0025 to about 0.0125 mm deep, about 0.05 to 0.3 mm wide and about 4 to about 10 mm apart, said regions being substantially perpendicular to the rolling direction of said strip.

(b) depositing by electrophoresis a metal coating such as aluminium into said regions, and

(c) curing said coating to produce areas of stress caused by differences in thermal expansion between said steel strip and said cured coating.

Compl. Specn. 18 pages. Drgs. Nil

Cl. : 12 B, D. 171548

Int. Cl. : C 21 D 1/08, 1/09, 1/30, 1/40 1/42, 1/54, 3/00, 9/52.

ULTRA-RAPID HEAT TREATMENT OF GRAIN ORIENTED ELECTRICAL STEEL.

Applicant : ARMCO INC. 705 CURTIS STREET, MIDDLETOWN, OHIO 45043, U.S.A.

Inventors : (1) JERRY W. SCHOEN, AND (2) DAVID % MARGERUM.

Application No. 144/Cal/1989; filed on 20th February 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

A process for improvin secondary grain growth and magnetic properties of electrical steel strip containing less than 6.5% silicon, said process comprising the steps of subjecting said strip which has been cold rolled to an ultra-rapid heating treatment at a heating rate above 100 C per second (180 F per second) to a temperature above 675 C (1250 F), decarburizing and subjecting said strip to a final high temperature anneal at a temperature of between 1000 and 1300 C for secondary growth, whereby said strip has secondary grains of reduced size and improved core loss, which improvement will survive a stress relief annealing without any significant change in magnetic properties.

Compl. Specn. 30 pages Drgs. 2 sheets

Cl. : 63 I 171549

Int. Cl⁵ : H 02 K 13/10.

A ROTARY ELECTRIC POWER GENERATOR APPARATUS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION OF WESTING HOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) THOMAS ANDREW LEMAK, (2) ROBERT LEE OSBORNE AND (3) MICHAEL TWERDOCHLIB.

Application No. 392/Cal/1989; filed on 22nd May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

9 Claims

A rotary electrical power generator apparatus of the type having an active shaft-grounding system for maintaining a rotating shaft (4) of the generator substantially at ground potential, which system includes a control circuit means coupled to the shaft for monitoring the voltage on the shaft relative to ground and a brush (6) connected in said circuit means and contacting the shaft for conducting to the shaft a compensating current having an amplitude and polarity adjusted for maintaining the shaft voltage substantially at ground potential characterized by : detection means (14) coupled to said control circuit for monitoring the voltage on the shaft surface relative to ground and for monitoring the current flowing between said brush and the shaft and for producing a fault-signal (30) when the voltage on the shaft relative to ground is outside of a selected range at the same time that the current flowing through said brush is substantially equal to zero, said fault-signal indicating that the brush is bouncing or losing contact with the shaft.

Compl. Specn. 12 pages. Drgns. 1 sheet.

Cl. : 10 F 171550

Int. Cl. : F 42 B, 13/00.

PROCESS FOR DIRECT SHAPING AND OPTIMISATION OF THE MECHANICAL CHARACTERISTICS OF PENETRATING PROJECTILES OF HIGH-DENSITY TUNGSTEN ALLOY.

Applicant : CIME BOCUZE OF TOUR MANHATTAN-LA DEFENSE, 6 PLACE DE 1' IRIS 92400 COURBEVOIE, FRANCE.

Inventors : (1) JEAN-CLAUDE NICOLAS AND (2) RAYMOND SAULNIER.

Application No. 417/Cal/1989; filed on May 31, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

6 Claims

A process for shaping penetrating projectiles, in particular for military ammunition, by work-hardening of a compressed and sintered blank of an alloy of tungsten comprising additions of metallic elements such as Fe, Ni and Cu, having an axis of revolution of a density which is at least 17000 kg/w characterised in that in order simultaneously to produce the projectile in its definitive form and with characteristics which are variable and adapted locally to the stresses involved in use thereof, said rough-produced blank of suitable shape is subjected to a work-hardening treatment at a temperature between ambient temperature and 500 C, in accordance with a variable degree of reduction in section in a direction parallel to the axis of the blank.

Compl. Specn. 15 pages. Drgns. 1 sheet

REFUSAL OF PATENTS UNDER SECTION 27

In pursuance of proceedings under Section 27 to grant of a patent on Application No. 157866 (257/DEL/82) made by Punjab Tractors Ltd., Patent has been ordered to be sealed on the application subject to amendment of the complete specification.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the patent office, Calcutta, and its branches at Bombay, Madras, and Delhi at two rupees per copy :—

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PATENT SEALED ON 16-10-1992

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Cal- 06, Del-13, Mas-06 & Bom-01.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of Sealing.

D — DRUG PATENT.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Maschinenfabrik Rieter A.G., a Swiss Company of Klosterstrasse 20, 8406 Winterthur, Switzerland in respect of Patent application No. 168839 as advertised in part III, Section 2 of the Gazette of India on the 7th December, 1991 and no opposition being filed within the stipulated period, the said amendment has been allowed.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (PATENTS)

Assignments, Licences or other transactions affecting the interests of the Original Patentees have been registered in the following cases.

154789 — GEC PLESSEY TELECOMMUNICATIONS LIMITED.

161022 — GEC PLESSEY TELECOMMUNICATIONS LIMITED.

Assignments, Licences or other transactions affecting the interests of the original Patentees have been registered in the following cases.

156855 — Shikha Coal & Coke.

Assignments, Licence or other transactions affecting the interests of the Original Patentees have been registered in the following cases.

164349 — CROWN GEAR B. V.

Assignment, Licence or other transactions affecting the interests of the Original Patentees have been registered in the folliwing Cases

164476 — OLYMPUS WINTER & IBI GMBH.

Assignments, Licences or other transactions affecting the interests of the Original Patentees have been registered in the following cases.

165081 — Voest-Alpine Industrieanlagenbau Gesellschaft m.b.H.

156855 — Sohna Construction Pvt Ltd.

ENDORSEMENT OF PATENTS WITH THE WORDS "LICENCE OF RIGHT" UNDER SECTION 87, OF THE PATENTS ACT, 1970

Numbers	Date
160601	08-01-1992
160603	
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160163 160244 160260 160287 160336 160463 160469 160470
160560 160577 160661 160688 160759 160768 160773 160778
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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The dates shown in the each entries is the date of the registration of the design included in the entry.

Class 1. No. 164252. Nirman Industries, 308-Pardhan Marg, Nirankari Colony, Delhi-110009, India. Indian Partnership Concern. "Cycle Locks". April 13, 1992.

Class 1. No. 164339. Standard Electric Industries, S-2, Green Park Extn., New Delhi-110016, India, Partnership Firm. "Geyser". May 7, 1992.

Class 1. No. 164680. AMPK India of B-1, Taj Apartments, No. 2, Factory Road, Ring Road, New Delhi-110029, India, Proprietary Firm. "Set of Shelf Brackets". August 17, 1992.

Class 1. No. 164482. Alfa Comforts Devices (P.) Limited, Johnson Compound, Exihibition Road, Aligarh-2020001, U.P., India. "Cooler". June 25, 1992.

Class 3. No. 164284. Shree Electronics Pvt. Ltd. of 4-4-316, Giriraj Lane, Bank Street, Hyderabad-500195, A.P., India, "Relevision Antenna". April 23, 1992.

Class 3. No. 164170. R. K. Group (Bombay) of 1/12, Pantnagar Shastri Nagar, Dr. Ambedkar Chowk, Ghatkopar East, Bombay-400075, Maharashtra, India. "Bottle". March 20, 1992.

Class 3. No. 164206. Ambitious Writing Instruments, 49, West Avenue Punjabi Bagh, Delhi, India, Indian Partnership Firm. "Pen". April 1, 1992.

Class 3. No. 164272. ABM Hi-Tch Products of 3, Mavdi Plot, Raikot-360004, Gujarat, India. "Lever". April 20, 1992.

Class 3. No. 164271. ABM Hi-Tech Products of 3, Mavdi Plot, Rajkot-360004, Gujarat, India. "Trigger" April 20, 1992.

Class 3. No. 164290. Oki Electronics Company, 6375/7, Dev Nagar, Karol Bagh, New Delhi-110005, India, Indian, Proprietorship Concern. "Walkman". April 27, 1992.

Class No. 164291. Oki Electronics Company, 6375/7, Dev Nagar, Karol Bagh, New Delhi-110005, India. Indian, Proprietorship Concern. "Transistor". April 27, 1992.

Class 3. No. 164292. Oki Electronics Company, 6375/7, Dev Nagar, Karol Bagh, New Delhi-11005, India. Indian, Proprietorship Concern. "Transistor" April 27, 1992.

Class 3. No. 164320. Dharampal Ashok Kumar Tobacco Company Pvt. Ltd., Indian Company of D-2, Sector-2, Noida, District : Ghaziabad. U.P., India. "Pouch". May 1, 1992.

Class 3. No. 164321. Sarishta Jaggi, Her-By International, E-38, Greater Kailash, Part-II, New Delhi-110048, India, Indian National. "Container". May 4, 1992.

Class 3. No. 164328. Sarishta Jaggi, Her-by International, E-38, Greater Kailash, Part-II, New Delhi-110048, India, Indian National. "Container". May 5, 1992.

Class 3. No. 164395. Recon Enterprises Pvt. Ltd. of Marol, Military Road, Bombay-59, India, an Indian Company. "Bottle". May 21, 1992.

Class 3. No. 164494. Patton Tanks Limited of 3-C, Camac Street, Calcutta-700016, West Bengal, India, Indian Company "Lamp Shade". June 29, 1992.

Class 3. No. 164553. Rainbow Cosmetics of 50C Bangur Avenue, Calcutta-700055, West Bengal, India, Indian Proprietary Firm. "Container". July 16, 1992.

Class 3. No. 164681. AMPK India of B-1, Taj Apartments, No. 2, Factory Road, Ring Road, New Delhi-110029, India. Proprietary Firm. "Set of shelf brackets". August 17, 1992.

Class 4. No. 164260. Shingar Cosmetics Pvt. Ltd. of Amrapali Shopping Centre. V. Mehta Road, Juhu Scheme, Bombay-400049, Maharashtra, India. "Bottle". April 20, 1992.

Class 4. Nos. 164356 and 164357. Dharampal Ashok Kumar Tobacco Co. Pvt. Ltd., Indian Company, D-2, Sector-2, Noida District, Ghaziabad, U.P., India. "Bottle". May 8, 1992.

Class 5. No. 164346. Lakme Limited, Indian Company of Bombay House, 24-Homi Modi Street-400001, Maharashtra, India. "Carton". May 7, 1992.

Class 12. Nos. 164210, 164215 & 164220. Nataraj Ceramic and Chemical Industries Limited, Dalmiapuram, P.O. Kallakudi-621651, Dist : Tiruchirapalli, T.N., Indian Company. "Refractory clog brick". April 2, 1992.

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Nos. 164156, 164155, 161348, 161349, 159069 and 159070. . . Class 3.

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Nos. 152471, 164156, 164155, 161948 and 161949. Class 3.

R. A. ACHARYA

Controller General of Patents, Designs and Trade Marks

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